

Na

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ID : 15066

Semester : 4th

Subject : Data base Systems

Submitted To: Rimsha Khan

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HAMEED KHAN

①

15066

Q No 1

Ans

First Normal Form:

Student ID	Student Name	Student Address	Course Name	Course ID	Grade
01	Fawad	Karachi	AI	SE-01	A
01	Fawad	Karachi	SOE	SE-05	B
02	Waleed	Lahore	DIP	SE-02	C
03	Saira	Peshawar	DB	SE-03	A
03	Saira	Peshawar	SRE	SE-04	B
04	Aiman	Karachi	DB	SE-03	C
05	Danyal	Lahore	AI	SE-01	A
06	Erpan	Peshawar	AI	SE-01	B

2nd Normal form

Student - Detail Table:-

P-T-0

HAMEED

(2)

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Student ID	Student Name	Student Address
01	Fawad	Karachi
01	Fawad	Karachi
02	Waleed	Lahore
03	Saira	Peshawar
03	Saira Saira	Peshawar
04	Daniyal	Karachi
05	Aiman	Lahore
06	Emaan	Peshawar

Course - Details Table:

Course-ID	Course-Name	Grade
SE-01	AI	A
SE-05	SDE	B
SE-02	DIP	C
SE-03	DB	A
SE-04	SRE	B
SE-03	DB	C
SE-01	AI	A
SE-01	AI	B

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3rd Normal form:

Student Table

Student ID	Student Name	Student Address	Course ID
01	Fawad	Karachi	SE-01
01	Fawad	Karachi	SE-05
02	Waheed	Lahore	SE-02
03	Saira	Peshawar	SE-03
03	Saira	Peshawar	SE-04
04	Aiman	Karachi	SE-03
05	Daniyal	Lahore	SE-01
06	Emaan	Peshawar	SE-01

Course-ID	Course-Name	Grade
S-01	AI	A
SE-05	SOE	B
SE-02	DIP	C
SE-03	DB	A
SE-04	SRE	B
SE-03	DB	C
SE-03	AI	A
SE-01	AI	B

Q2

① Ans Create database Gallery

② Ans Create table Movies (

ID integer NOT NULL primary key,

Movie-Name varchar (50) NOT NULL

Genre varchar (50),

Year integer max = 2020

Rating integer max = 5

)

Message: Command(s) completed

Successfully select * from Movies

Results:

ID	Movie-Name	Genre	Year	Rating
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Q3 Ans (1)

Creat table Student-Data

(

Student-id not null primary key,

Student-Name varchar (50) not null,

Age int,

C.GPA float.

)

⑤

Message: Command (s) Completed Successfully

Insert into Students-Data values

(15366, M-Musa, 21, 3.8)

Message:

1 row(s) affected.

Insert into Students-Data values

(15066, Hameed, 23, 2.8)

Message:

1 row(s) affected

Select * from Student-Data

Result:

Student-ID	Student-Name	Age	CGPA
15366	M-Musa	21	3.8
15066	Hameed	23	2.8

⑥(2) Ans (2)

Delete from Students-Data where

CGPA > 3

Message:

1 row(s) affected

Select * from Student-Data

Result:

Student-ID	Student-Name	Age	CGPA
15066	Hameed	23	2.8

(6)

Q4

Ans (1)

```
Select product-Name, product-ID
from Canteen-Table Where
unit Price < 50 Rs.
```

Q4 Ans (2)

```
Select product-Name, product-ID
from Canteen-Table Where
```

```
* Select product-Name, Category,
product-ID from Canteen-Table
Where product-ID IN (01, 03, 02).
```

```
ORDER BY product-ID, product
Name.
```

```
* Select Canteen-Table product-ID
as FID
```

```
Canteen-Table product-Name as
name
```

```
From Canteen-Table Where
```

```
product-ID = Home Furnishing
```

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Q4 (4)

Select Conteen- Table - Product
-ID - Product-Name - ordered - ID
from contain - Table
left outer join ORDER-T
ON contain - Table
Product - ID = Order - Detail
Product - ID

Product ID	Product Name	Unit Price	Order-ID
01	Dairy milk <small>evolve</small>	20 RS	02
02	lipton tea bag	100 RS	04
03	Kurkury	30 RS	02
04	Shegeen Juice	50 RS	02
05	Chilli Milli	5 RS	02
06	olper Milk	350 R1	01

Q6 AM 3

Category	Count	Category
Junk	4	
Not Junk	2	